

Purchase Order Receipt Listing

Monday, September 28, 2015 9:28:07 AM

Page 1 of 2

All amounts are calculated in domestic currency.

All Vendors PO ID PO29859 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Rev Date/ Rev Emp	Rev Qty (PO U/M)	Cost Per Unit/ Rev Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
Vendor ID \ Vendor Name			VC-COP001	Thyssenkrupp Materials CA Ltd							
PO29859	1		M6061T6B1.000X12. f 000		9/28/2015	9/28/2015	24.0000	\$29.63	0.0000	0	\$711.18
CAD	No		6061-T6 Bar 1.00 x f 12.00		24.0000	DCUSER		\$711.18	0.0000	0	
			m133265								
	2		M174R0.750 17-4 round bar .750 f		9/28/2015	9/28/2015	12.9000	\$5.15	0.0000	0	\$66.48
No	No		m133265		12.9000	DCUSER		\$66.48	0.0000	0	
			M303R0.500 303 Round Bar 0.500" f		9/28/2015	9/28/2015	24.0000	\$1.35	0.0000	0	\$32.29
No	No		m133265		24.0000	DCUSER		\$32.29	0.0000	0	
			M303R1.000 303 Round Bar 1.00 f		9/28/2015	9/28/2015	12.0000	\$5.61	0.0000	0	\$67.38
No	No		m133265		12.0000	DCUSER		\$67.38	0.0000	0	
			M6061T6B0.375X01. f 000		9/28/2015	9/28/2015	12.0000	\$2.22	0.0000	0	\$26.60
No	No		6061T6 BAR .375 x f 1.00		12.0000	DCUSER		\$26.60	0.0000	0	
			m133265								
	6		M6061T6B1.500X02. f 500		9/28/2015	9/28/2015	12.0000	\$8.06	0.0000	0	\$96.68
No	No		6061-T6 Bar 1.50 x f 2.50		12.0000	DCUSER		\$96.68	0.0000	0	
			m133265								
	7		M6061T6B2.500X03. f 500		9/28/2015	9/28/2015	12.0000	\$18.70	0.0000	0	\$224.38
No	No		6061-T6 Bar 2.50 x f 3.50		12.0000	DCUSER		\$224.38	0.0000	0	
			m133265								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
<div> <div>Total Received Quantity:</div> <div>Total Qty to Inspect (PO U/M):</div> <div>Total Reject Quantity:</div> <div>Total Receipt Value:</div> <div>Total Balance Due Quantity:</div> </div>											108.9000 0.0000 0.0000 \$1,225.00 0.0000

753

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIAUX NA
4700 BOIS FRANC
ST. LAURENT, QC H4S 1A7
Tel: 514-337-0161 Fax: 514-745-2968

No: VIM 462345
Ship Date 28Sep15 at 10:33 From VFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

①
NE

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-850102- 1 Your PO # 29859					
ALUMINUM FLT BAR ECONOPLT 6061-T6511					
1.00" X 12.00" X 144.0000"					
BDLE#1 R354	Heat Number Z00014085	Tag No 183588	Quantity 24 FT	PCS 2	Wt LBS 336
2) Our Order PEC-850102- 2 Your PO # 29859					
STAINLESS STEEL ROUND BAR 17-4 STAINLESS					
.750" DIA X 153.0000"					
BDLE#1	Heat Number S-11229	Tag No 176009	Quantity 12 ' 9.0000 "	PCS 1	Wt LBS 18
3) Our Order PEC-850102- 3 Your PO # 29859					
STAINLESS STEEL ROUND BAR 303 STAINLESS					
.50" DIA X 144.0000"					
BDLE#1	Heat Number V9V9	Tag No 184340	Quantity 24 FT	PCS 2	Wt LBS 16
4) Our Order PEC-850102- 4 Your PO # 29859					
STAINLESS STEEL ROUND BAR 303 STAINLESS					
1.00" DIA X 144.0000"					
BDLE#1	Heat Number V4J7	Tag No 184336	Quantity 12 FT	PCS 1	Wt LBS 33
5) Our Order PEC-850102- 5 Your PO # 29859					
ALUMINUM FLAT BAR 6061-T6511F					
.375" x 1.00" X 144.0000"					
BDLE#1	Heat Number Z00243059	Tag No 182544	Quantity 12 FT	PCS 1	Wt LBS 5

Page: 1Continued

ALUMINIUM ALUANTON * CUIVRE * PLASTIQUE * ACIER INOX
ALUMINUM * BRASS * COPPER * PLASTICS * STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

DATE

SHIP FROM:
THYSSENKRUPP MATERIAUX NA
4700 BOIS FRANC
ST. LAURENT, QC H4S 1A7
Tel: 514-337-0161 Fax: 514-745-2968

SHIP TO: (1)
DART AEROSPACE

NO: VIM 462345
SHIP DATE 28Sep15 at 10:33 From VFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-850102- 6 Your PO # 29859

~~ALUMINUM FLAT BAR 6061-T6511~~

1.50" x 2.50" X 144.0000"

Heat Number

181996-2

Tag No

182157

Quantity

12 FT

PCS

1

Wt LBS

52

BDLKE#1

7) Our Order PEC-850102- 7 Your PO # 29859

~~ALUMINUM FLAT BAR 6061-T6511~~

2.50" x 3.50" X 144.0000"

Heat Number

Z00780020

Tag No

183958

Quantity

12 FT

PCS

1

Wt LBS

122

BDLE#`1

TOTAL: Tags 7 PCS 9 LBS 582

Heat Number

*** Chemical Analysis ***

181996-2

S-11229

V4J7

V9V9

Z00014085

Z00243059

Z00780020

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

***UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.***

Page: 2Continued

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

Ship From: B I L L O F L A D I N G
THYSSENKRUPP MATERIAUX NA
4700 BOIS FRANC
ST. LAURENT, QC H4S 1A7
Tel: 514-337-0161 Fax: 514-745-2968

No: VIM 462345
Ship Date 28Sep15 at 10:33 From VFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

*** POUR VOS BESOINS D'ACIER INOXYDABLE,
CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600
*** FOR ALL YOUR STAINLESS STEEL NEEDS, CALL US.
*** WE HAVE IT! *** TEL. 800-926-2600 ***

NOS HEURES DE CUEILLETTE SONT DU LUNDI AU VENDREDI
DE 8H30 A 12H00 ET DE 13H00 A 16H30.
CUSTOMER PICK-UP HOURS ARE MONDAY TO FRIDAY
FROM 8:30 AM TO NOON AND 1:00 PM TO 4:30 PM.



Page: 3 Last

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
2.50" x 3.50" X 144.0000"
PART NO.

PO/Rel 29859

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
fournisseur du matériel ou les données résultent

Certificate of Mill Test Results

BL VIM-462345-007

28Sep15

de l'analyse faite par un laboratoire qualifié.
SIGNÉ PAR: LUCY TRUGLIO

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: VIM-632292-1		CUSTOMER PART NUMBER: 741/STK		PRODUCT DESCRIPTION: 2.500 X 3.500 SC RECT BAR	
KAISER ORDER NUMBER: 692484	LINE ITEM: 001	SHIP DATE: 08/20/2015	KAISER LOT NUMBER: Z00780020	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 988.000 LB	QUANTITY: 8.000 PCS	B/L NUMBER: 612924	DIAM/GAP/THICKS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 4700 BOIS FRANC ST LAURENT, PQ H4S 1A7 CANADA			SOLD TO: THYSSENKRUPP CANADA 4700 BOIS FRANC ST LAURENT, PQ H4S 1A7 CANADA		

Actual Physical Properties

DAS
14
9-89
15/09/29

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00780020	0001	0001	58.5	55.4	13.6	RE 94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.34	0.00	0.00	NA	NA	NA	0.00	0.00
736463	.73	.34	.30	.10	.96	.10	.03	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00190429

Kaiser Order Number: 692484

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS
1.00" DIA X 144.0000"

P.O./Ref 29859

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de l'analyse faite par un laboratoire qualifié.
SIGNÉ PAR: LUCY TRUGLIO

BL VIM-462345-004

28Sep15
Pg 1/4

Certificate of Mill Test Results



METALLURGICAL TEST REPORT

740 Imperial Road North

Certificate: 92061 3

Customer: 007205 001

THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEVIN DU BOIS FRANC
SAINT LAURENT, QC H4S1A7

Ship To:

THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEVIN DU BOIS FRANC
SAINT LAURENT, QC H4S1A7

Date: 9/03/2015 Page: 1

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Steel: 303
Finish: CD

Corrosion:

Red Ratio: 69.4 : 1

Your Order: VIM632041

NAS Order: PN 0055224 11

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 PN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QOS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AD+CC, NO WELD REPAIR, MELTED AND MTG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14 15/09/2015
9-89

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH2671 5		1.0000		808	144.00	21	1	

1.0000

808

144.00

21

1

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Span) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# I2323

Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V4J7	US	.0402	.1535	17.1040	.3975	1.8775	.3620	.0394	8.3595	.0295

S %	SI %
.3585	.5190

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	ELong % 4D
BH2671 5	R L	199.0	77.84	96.80	45.55	26.07

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

18880000

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
1.00" DIA X 144.0000"
PART NO.

PO/REL 29859

Nous certifions que le document reproduit ici est
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fournisseur du matériel ou les données résultent

de l'analyse faite par un laboratoire qualifié.
SIGNÉ PAR: LUCY TRUGLIO

BL VIM-462345-004

28Sep15
Pg 2/4

Certificate of Mill Test Results



METALLURGICAL TEST REPORT

740 Imperial Road North

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 92061 4

Ship To:

Date: 9/03/2015 Page: 1

Customer: 007205 001

THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEMIN DU BOIS FRANÇ
SAINT LAURENT, QC H4S1A7

THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEMIN DU BOIS FRANÇ
SAINT LAURENT, QC H4S1A7

Steel: 303
Finish: CD

Your Order: VIM632041

NAS Order: PN 0055224 11

Corrosion:
Red Ratio: 69.4 : 1

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640V TYPE 1, Q08-7648 CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.235-7009 EU DIRECTIVE
2011/65/EU ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND NEG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89

Product Id	Slid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH2671 6		1.0000		808	144.00	22	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V437	US	.0402	.1535	17.1040	.3975	1.8775	.3620	.0394	8.3595	.0295

S %	SI %
.3585	.5190

MECHANICAL PROPERTIES

Product Id	1 d o l c r	HB No.	.2YS KSI	UTS KSI	RA %	ELONG % 4D
BH2671 6	RL	199.0	77.84	96.80	45.55	26.07

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ASB

THYSSENKRUPP MATERIALS NA

PO/Rel 29839

PART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
1.00" DIA X 144.0000"
PART NO.

Non-certificatons que le document reproduit ici est
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fournisseur du materiel ou les donnees resultant

de l'analyse faite par un laboratoire qualifie
SIGNED PAR: LUCY TRUGLIO

Certificate of Mill Test Results
BL VIN-462345-004
28Sept15
Pg 3/4



METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

740 Imperial Road North

Certificate: 92061 5

Mail To:

Ship To:

Date: 9/03/2015 Page: 1

Customer: 007205 001

THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEMUN DU BOIS FRANC
SAINT LAURENT, QC H4S1A7

THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEMUN DU BOIS FRANC
SAINT LAURENT, QC H4S1A7

Steel 303
Finish: CD

Corrosion:

Your Order: VIM632041

NAS Order: PN 0055224 11

Red Ratio: 69.4 : 1

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/112 EN 10206 3.1, ASTM A484/11
AMS 56600 TYPE 1, Q08-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU-ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND WPO
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH2671.7		1.0000		808	144.00	23	1	

CHEMICAL ANALYSIS

CM(Country of Melt)

ES(Spain)

US(United States)

ZA(South Africa)

JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V4J7	US	.0402	.1535	17.1040	.3975	1.8775	.3620	.0394	8.3595	.0295
		S %	SI %							
		.3585	.5190							

MECHANICAL PROPERTIES

Product Id	Id	HB	2YS	UTS	RA	Elong
	o i	NO.	KSI	KSI	%	% 4D
BH2671.7	R L	199.0	77.84	96.80	45.55	26.07

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ABHIJEET BHAVE

9/03/2015

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
1.00" DIA X 144.0000"
PART NO.

PO/Rel 29859
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de l'analyse faite par un laboratoire qualifié.
SIGNÉ PAR: LUCY TRUGLIO

BL VIM-462345-004

28Sep15
Pg 4/4

Certificate of Mill Test Results



METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

740 Imperial Road North

Certificate: 92061 6 Mail To:

Customer: 007205 001

THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEMIN DU BOIS FRANCOIS
SAINT LAURENT, QC H4S1A7

Ship To:
THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEMIN DU BOIS FRANCOIS
SAINT LAURENT, QC H4S1A7

Date: 9/03/2015 Page: 1
Steel: 303
Finish: CD
Corrosion:

Your Order: VIM632041

NAS Order: PN 0055224 11

Red Ratio: 69.4 : 1

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 56400 TYPE 1, Q2S-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND MPG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
8-89
15/09/20

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH2671 8		1.0000		808	144.00	24	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# U2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MA %	MO %	N %	NI %	P %
V4J7	US	.0402	.1535	17.1040	.3975	1.8775	.3620	.0394	8.3595	.0295
	S %	SI %								
	.3585	.5190								

MECHANICAL PROPERTIES

Product Id	1 d o l c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH2671 8	R L	199.0	77.84	96.80	45.55	26.07

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ABHTJEET BHAVE
9/03/2015

THYSSENKRUPP MATERIALS NA

PO/Rel 29859

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de l'analyse faite par un laboratoire qualifié.
SIGNÉ PAR: LUCY TRUSLIO

Certificate of Mill Test Results
28 Sep 15
Pg 1/1

BL VIM-462345-006

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.50" x 2.50" x 144.0000"

PART NO.



ALUMINUM

TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST

BILL TO THYSSENKRUPP MATERIALS NA	CERT CODE: 9	0.62	DIE NUMBER S	4660	DATE OF SHIPMENT JUN/25/2015	EXTRUDEX ORDER NO. 181996 - 2	MANIFEST NO. 330437
SHIP TO THYSSENKRUPP MATERIALS NA	CUSTOMER PO VIM-631620		ALLOY 6061	TEMPER T6511	SALESMAN HOUSE ACCOUNTS	MADE IN CANADA	
SO DESCRIPTION 1.5"x2.5" FB	CUSTOMER PART NUMBER 4660-S		PART DESCRIPTION 1.5"x2.5" FB			CERTIFICATION ASTM B221-13 - AMS QQA 200/8	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Jun/24/2015	45.60	41.60	14.50	91.0, 90.2, 90.6	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Sn	Y	B	Zr	Bi	Pb	Sr	Co	Al	Other
A.11 380219 6061	0.6	0.16	0.21	0.03	0.88	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0.02
	DAS 14 15/09/29 9-89																		

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS
.750" DIA X 153.0000"
PART NO.

PO/Rel 29859

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fournisseur du matériel ou les données résultent

Certificate of Mill Test Results

BL VIM-462345-002

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SIGNE PAR LUCY TRUGLIO

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INSPECTION CERTIFICATE

Certificate Type : EN 10204 / 3.1

Our Sales Order No	OA-SBD-FR-1415-0086	Invoice No.	EXP/1415-378	Certificate No.	2011-20930
Customer Order No	VIM-626290	Invoice Date	25/11/14	Date	25/11/14

Customer
THYSSENKRUPP MATERIALS NA
2821 Longstaff Rd.
Concord
Ontario, L4K 6C6, Canada

Trade Mark : **AS**

Inspector's Mark : **PT**

Material Details	Stainless Steel Grade 174PH/ 630 Round Bar Solution Annealed Centerless Ground & Polished		
Steel Grade	17-4PH S-11229	Shape	Round Bar
Heat No.		Tolerance	A 484
Net Weight	1,201.518 LBS	Number of Bars	64
Bundle No's	AG-8346	Size	0.750"
Requirements	AMS 5643R:2008	Length of Bars	144" - 166"
		Melting Process	EFAOD/MEMS.

CHEMICAL ANALYSIS %										
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Nb
Min						15		3	3	0.15
Max	0.07	1	1	0.04	0.03	17.5	0.5	6	6	0.45
1/ct	0.039	0.37	0.76	0.029	0.014	15.67	0.18	4.21	3.14	0.232

Max	0.07	0.07	0.029	0.014	15.57	0.10					
Min	0.039	0.37	0.76								
MECHANICAL PROPERTIES							Charpy Impact V Notch (Longitudinal)				
							(Joules)				
	YS:(Rp 0.2%) (N/mm2) ASTM A 37C 2012	UTS (N/mm2) ASTM A 37C 2012	% Elongation ASTM A 37C 2012	% Reduction Area ASTM A 37C 2012	Hardness (BHN) ASTM A 37C 2012		Temp. Deg. (C)	RESULT			
								1	2	3	Avg.
Min					353						
Max				37.45	323						
Results	1053.97	1159.52	16.58								

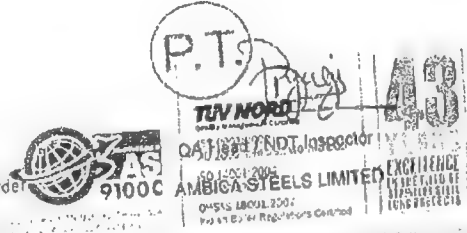
Heat Treatment :
Solution Annealing at 1800 F. Soaking for 1hr. Oil quench to below 90 F
Heat Treatment Traceability No(s): Solution Annealing : HT-1000 - dated 28/10/14.

DAS
14
9-89 15/09/29

- Remarks :
- Country Of Origin Of Goods - India
 - Free from Radioactivity - verified through Gamma Ray Spectrometer
 - No Mercury Contamination
 - Micro & Macro Test - Satisfactory
 - No welding has been performed on the material
 - Heat Treatment furnace calibrated as per AMS 2760E
 - Specimen Size for UTS - 12.50 mm / 0.50 Inch
 - Visual & Dimensional Inspection - OK
 - Material Identification tested through X-ray based portable Spectrometer
 - ROHS Compliant

CIN:U27109DL1970PLC005345

Ambica Steels Limited : Corporate Office: C-54/1, Wazirpur Industrial Area, New Delhi 110052, India
We confirm that the material is supplied in accordance with the purchase order.
Hot Rolling Plant: Plot No 32, Site 2, Loni Road Industrial Area, Mohan Nagar, Ghaziabad 201007, U.P., India
Ambica Cold Chilling Plant: A-30, Site 4, UPSIDC Industrial Area, Sahibabad, Ghaziabad 201010, U.P., India
Tel: +91 (11) 47034400 Fax: +91 (11) 47034450 E-mail: info@ambicasteels.com Web: www.ambicasteels.com



THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.375" x 1.00" X 144.0000"
PART NO.

PO/Rel 29859

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BL VIM-462345-005

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SIGNE PAR: LUCY TRUGLIO

Pg 1/2

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CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: VIM-631864-2		CUSTOMER PART NUMBER: 390/STK		PRODUCT DESCRIPTION: .375 X 1.000 SC RECT BAR	
KAISER ORDER NUMBER: 689782	LINE ITEM: 002	SHIP DATE: 07/07/2015	KAISER LOT NUMBER: Z00243059	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 192.000 PCS	B/L NUMBER: 612493	DIAMETER/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 4700 BOIS FRANC ST LAURENT, PQ H4S 1A7 CANADA			SOLD TO: THYSSENKRUPP CANADA 4700 BOIS FRANC ST LAURENT, PQ H4S 1A7 CANADA		

Actual Physical Properties

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9-89
15/09/29

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00243059	0001	1	44.1	36.6	17.6	RE 93	N/A	N/A
Z00243059	0001	2	43.5	39.5	17.4	RE 93	N/A	N/A
Z00243059	0001	3	43.8	39.4	16.3	RE 94	N/A	N/A
Z00243059	0001	4	44.4	40.2	18.1	RE 93	N/A	N/A
Z00243059	0001	0001	44.1	39.6	17.6	RE 93	N/A	N/A
Z00243059	0001	0002	43.5	39.5	17.4	RE 93	N/A	N/A
Z00243059	0001	0003	43.8	39.4	16.3	RE 94	N/A	N/A
Z00243059	0001	0004	44.4	40.2	18.1	RE 93	N/A	N/A
Z00243059	0002	0001	42.9	38.5	17.6	RE 92	N/A	N/A
Z00243059	0002	0002	42.8	38.2	13.7	RE 92	N/A	N/A
Z00243059	0002	0003	42.4	37.8	18.0	RE 91	N/A	N/A
Z00243059	0002	0004	42.3	37.8	16.5	RE 92	N/A	N/A
Z00243059	0002	0005	43.7	38.7	17.4	RE 93	N/A	N/A
Z00243059	0002	0006	43.3	39.2	17.3	RE 92	N/A	N/A
Z00243059	0002	1	42.9	38.6	17.6	RE 92	N/A	N/A
Z00243059	0002	2	42.6	38.3	13.7	RE 92	N/A	N/A
Z00243059	0002	3	42.4	37.8	18.0	RE 92	N/A	N/A
Z00243059	0002	4	42.4	37.8	16.6	RE 92	N/A	N/A
Z00243059	0002	5	43.7	38.8	17.4	RE 94	N/A	N/A
Z00243059	0002	6	43.4	39.2	17.3	RE 92	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
104765	.62	.27	.21	.07	.85	.08	.02	.02	.00	.00	.00	.01	.04

Applicable Requirements:

Plant Serial: CC184187
Kaiser Order Number: 689782
Line Item: 002

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.375" x 1.00" X 144.0000"

PART NO.

PO/Rel 29859

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Certificate of Mill Test Results

BL VIM-462345-005

28Sep15

Pg 2/2

de l'analyse faite par un laboratoire qualifié.
SIGNE PAR: LUCY TRUGLIO

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CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6205 KAISER DRIVE
KALAMAZOO, MI 49048

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been
inspected and tested and found in conformance with applicable specifications forming a part of the
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

DAS
14
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15/09/29

Plant Serial: 00184187

Kaiser Order Number: 689782

Line Item: C02

Page 2 of 2

THYSSENKRUPP MATERIALS NA

PQ/Rel 29859

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
50" DIA X 144,0000"
PART NO.

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SIGNÉ PAR: LOUCY TRUBETTO

Certificate of Mill Test Results
BL VIM-462345-003
28Sep15
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METALLURGICAL TEST REPORT

740 Imperial Road North

Certificate: 92061 8

Ship To:

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Customer: 007205 001

THYSSENKRUPP MATERIALS
A DIVISION OF THYSSENKRUPP MATERIALS NA
4700 CHEMIN DU BOIS FRANC
SAINT LAURENT, QC H4S1A7

Date: 9/03/2015 Page: 1
Steel 503
Finish: CD

Your Order: VIM632041

NAS Order: PN 0055224 07

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640V TYPE 1, Q05-764B CONDITION A
SOLUTION ANNEAL, TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPMR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+MOD+CC, NO WELD REPAIR, MELTED AND MTG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3621 5		.5000		1.063	144.00	18	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MM %	MO %	N %	NI %	P %
V9V9	US	.0432	.1455	17.0530	.3950	1.8200	.3065	.0440	8.2265	.0300
	S %	SI %								
		.3465	.5060							

MECHANICAL PROPERTIES

Product Id	1 d o i c z	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
BH3621 5	R L	204.0	78.65	101.59	31.11	32.25

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

1888

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLT BAR ECONOPLT 6061-T6511
1.00" X 12.00" X 144.0000"
PART NO.

PO/Rel 29859

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BL VIM-462345-001

28Sep15

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SIGNÉ PAR: LUCY TRUGLIO

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<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: VIM-632221-2		CUSTOMER PART NUMBER: W73/STK		PRODUCT DESCRIPTION: 1.000 X 12.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 691647	LINE ITEM: 002	SHIP DATE: 08/06/2015	KAISER LOT NUMBER: Z00014085	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 6.000 PCS	B/L NUMBER: 612800	DIAM/DIA/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 4700 BOIS FRANC ST LAURENT, PQ H4S 1A7 CANADA			SOLD TO: THYSSENKRUPP CANADA 4700 BOIS FRANC ST LAURENT, PQ H4S 1A7 CANADA		

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Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00014085	0001	0001	49.5	45.7	13.9	RE 92	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105064	.72	.28	.29	.10	.94	.09	.03	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been
inspected and tested and found in conformance with applicable specifications forming a part of the
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00188529

Kaiser Order Number: 691647

Line Item: 002

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6
DATE 15/09/29

PO BATCH NO 29859/133265

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 24'
QUANTITY INSPECTED 24'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.00X12.00
THICKNESS RECEIVED 1.00X12.00
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>14</u>	<u>9-89</u>	SIGNED OFF BY _____	
DATE <u>15/09/29</u>		DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303
DATE 15/09/29

PO BATCH NO 29859/133265

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 24'
QUANTITY INSPECTED 24'
QUANTITY REJECTED _____

THICKNESS ORDERED RB .500
THICKNESS RECEIVED RB .500
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUOMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>DAS</u>		SIGNED OFF BY _____	
DATE <u>15/09/29</u>		DATE _____	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303
DATE 15/09/29

PO / BATCH NO 29859/133265

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED RB 1.60
THICKNESS RECEIVED RB 1.60
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y,N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY <u>14</u> DATE <u>15/09/29</u>	SIGNED OFF BY _____ DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M606/TP
DATE 15/09/29

PO BATCH NO 29859/133265

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED .375X1.00
THICKNESS RECEIVED .375X1.00
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	DAS 14 9-89	SIGNED OFF BY	
DATE	15/09/29	DATE	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6
DATE 15/09/29

PO / BATCH NO 29859/133265

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.50X2.50
THICKNESS RECEIVED 1.50X2.50
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	<u>DAS</u> <u>14</u>	SIGNED OFF BY	_____
DATE	<u>15/09/29</u>	DATE	_____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6
DATE 15/09/29

PO BATCH NO. 27859/133265

MATERIAL CERT RECD yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 2.50X3.50
THICKNESS RECEIVED 2.50X3.50
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y.N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>DAS</u>		SIGNED OFF BY _____	
DATE <u>15/09/29</u>		DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M17-4
DATE 15/09/29

PO BATCH NO 29859/133265

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12' 6"
QUANTITY INSPECTED 12' 6"
QUANTITY REJECTED _____

THICKNESS ORDERED RB .750
THICKNESS RECEIVED RB .750
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____


DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	<u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY	
DATE	<u>15/09/29</u>	DATE	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29859

Purchase Order Date 9/22/2015
PO Print Date 9/22/2015

Page Number 1 of 5

Order From :
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

VC-COP001

Ship To :
DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6B1.000X12.000	6061-T6 Bar 1.00 x 12.00	9/28/2015 Yes 9/28/2015		24.00	\$38.99	\$935.64
	MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221						
						Line Total:	\$935.64
2	M174R0.750	17-4 round bar .750	9/28/2015 Yes 9/28/2015		14.00	\$6.78	\$94.92
	17-4PH/S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI						
						Line Total:	\$94.92

PO Instructions: QUOTE NO:
PEC ST-848130,ST-848130,ST-849201

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO29859**

Purchase Order Date 9/22/2015

PO Print Date 9/22/2015

Page Number 2 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

3	M303R0.500	303 Round Bar 0.500"	9/28/2015	24.00	1.77	\$42.48
			Yes	f		
			9/28/2015			

PURCHASE MATERIAL: AISI 303 SS ROUND BAR SPECIFICATION: ASTM A582
(NOTE: AISI 304/316 NOT ACCEPTABLE)

Line Total: \$42.48

4	M303R1.000	303 Round Bar 1.00	9/28/2015	12.00	7.39	\$88.64
			Yes	f		
			9/28/2015			

PURCHASE MATERIAL: AISI 303 SS ROUND BAR SPECIFICATION: ASTM A582
(NOTE: AISI 304/316 NOT ACCEPTABLE)

Line Total: \$88.64

5	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	9/28/2015	12.00	2.92	\$35.00
			Yes	f		
			9/28/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$35.00

PO Instructions: QUOTE NO:
PEC ST-848130,ST-848130,ST-849201

Note:

9/22/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29859

Purchase Order Date 9/22/2015

PO Print Date 9/22/2015

Page Number 4 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Total: \$590.00

10	M304B0.250x0.500	304 BAR .250 x .500	9/28/2015	60.00	\$1.20	\$72.00
			Yes	f		
			9/28/2015			

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Line Total: \$72.00

11	71401-45	PROCUREMENT QUALITY CLAUSES	9/28/2015	1.00	\$0.00	\$0.00
			No			
			9/28/2015			

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality document

PO Instructions: QUOTE NO:
PEC ST-848130,ST-848130,ST-849201

Note:

9/22/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
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PURCHASE ORDER

Purchase Order ID PO29859

Purchase Order Date 9/22/2015

PO Print Date 9/22/2015

Page Number 5 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$0.00

PO Total: \$2,281.08

PO Instructions: QUOTE NO:
PEC ST-848130,ST-848130,ST-849201

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 9/22/2015